Int J Biomed Comput, 24 (1989) 299—302
Elsevier Scientific Publishers Ireland Ltd.

SUBJECT INDEX

Volume 24 (1989)

Abdominal pain, computers, diagnosis, decision support, appendicitis, medical education, 9
Abducens nerve, ocular tremor, neural signal, simulation, motoneurons, alert cat, 207
Acceptability, radiation therapy, treatment planning, plan combination, linear programming, iterative algorithm, realizability, 191
Alert cat, abducens nerve, ocular tremor, neural signal, simulation, motoneurons, 207
Annular SPECT, brain imaging, radionuclides, pain treatment, computer security, computer viruses, 221
Appendicitis, computers, diagnosis, decision support, abdominal pain, medical education, 9
Athletes' videotaping, cardiointegraphy, computerized kinematics, coronary disease diagnosis, patients' gaits' analysis, 147
Automatic data processing, critical care, diagnosis (computer assisted), decision making (computer assisted), kidney function tests, 79
Automatic speech recognition, medical expert systems, computer-assisted medical decision making, man-machine interface, computers and dermatology, 111

BASIC programs, protein secondary structure, protein structure prediction, 247
Bayes theorem, expert systems, probability, computer-assisted diagnosis, vaginal discharge, computer simulation, 133
Brain imaging, annular SPECT, radionuclides, pain treatment, computer security, computer viruses, 221
Branched equations, simulation, cable equations, 55

Cable equations, simulation, branched equations, 55
Cardiointegraphy, athletes' videotaping, computerized kinematics, coronary disease diagnosis, patients' gaits' analysis, 147
Cavity, eccentric spherical model, EEG, inverse dipole solution, electrode location, 269
Computer, membrane potential, ion, teaching, education, models, 119
Computer-assisted diagnosis, Bayes theorem, expert systems, probability, vaginal discharge, computer simulation, 133
Computer-assisted medical decision making, automatic speech recognition, medical expert systems, man-machine interface, computers and dermatology, 111
Computerized kinematics, athletes' videotaping, cardiointegraphy, coronary disease diagnosis, patients' gaits' analysis, 147
Computers, diagnosis, decision support, abdominal pain, appendicitis, medical education, 9
Computers and dermatology, automatic speech recognition, medical expert systems, computer-assisted medical decision making, man-machine interface, 111
Computer bombs, computer viruses, molecular computer graphics, molecular modeling software, Trojan horses, 1
Computer security, annular SPECT, brain imaging, radionuclides, pain treatment, computer viruses, 221
Computer simulation, Bayes theorem, expert systems, probability, computer-assisted diagnosis, vaginal discharge, 133
Computer simulation, microcomputers, theoretical models, software, pectin, xyloglucan, lignin, 41
Computer viruses, annular SPECT, brain imaging, radionuclides, pain treatment, computer security, 221
Computer viruses, computer bombs, molecular computer graphics, molecular modeling software, Trojan horses, 1
Constraining least-square minimization, multiexponential decay, time-constant distribution, lung compartments, 29
Coronary disease diagnosis, athletes' videotaping, cardiointegraphy, computerized kinematics, patients' gaits' analysis, 147
Cost-benefit analysis, diagnostic tests, receiver operating characteristic analysis, medical

decision making, information theory, HIV, ELISA, 153
Critical care, automatic data processing, diagnosis (computer assisted), decision making (computer assisted), kidney function tests, 79
Critical parameters, decompression, mathematical models, tissue gas exchange, multi-tissue supersaturation, phase equilibration, perfusion-diffusion transport, 227

Decision making (computer assisted), automatic data processing, critical care, diagnosis (computer assisted), kidney function tests, 79
Decision support, computers, diagnosis, abdominal pain, appendicitis, medical education, 9
Decompression, mathematical models, tissue gas exchange, critical parameters, multi-tissue supersaturation, phase equilibration, perfusion-diffusion transport, 227
Diagnosis, computers, decision support, abdominal pain, appendicitis, medical education, 9
Diagnosis (computer assisted), automatic data processing, critical care, decision making (computer assisted), kidney function tests, 79
Diagnostic tests, receiver operating characteristic analysis, medical decision making, information theory, cost-benefit analysis, HIV, ELISA, 153

Eccentric spherical model, cavity, EEG, inverse dipole solution, electrode location, 269
Education, membrane potential, ion, teaching, computer, models, 119
EEG, cavity, eccentric spherical model, inverse dipole solution, electrode location, 269
Electrode location, cavity, eccentric spherical model, EEG, inverse dipole solution, 269
ELISA, diagnostic tests, receiver operating characteristic analysis, medical decision making, information theory, cost-benefit analysis, HIV, 153
Expert systems, Bayes theorem, probability, computer-assisted diagnosis, vaginal discharge, computer simulation, 133

Heart rate variability, long-term ECG processing, long-term spectral analysis, 89
HIV, diagnostic tests, receiver operating characteristic analysis, medical decision making, information theory, cost-benefit analysis, ELISA, 153

Information theory, diagnostic tests, receiver operating characteristic analysis, medical decision making, cost-benefit analysis, HIV, ELISA, 153
Intradental nerve activity, mathematical model, pain perception, 17
Inverse dipole solution, cavity, eccentric spherical model, EEG, electrode location, 269
Ion, membrane potential, teaching, education, computer, models, 119
Iterative algorithm, radiation therapy, treatment planning, plan combination, linear programming, acceptability, realizability, 191

Kidney function tests, automatic data processing, critical care, diagnosis (computer assisted), decision making (computer assisted), 79

Lie detectors, miscarriage, polygraphs, spontaneous abortion, VDT, 73
Lignin, computer simulation, microcomputers, theoretical models, software, pectin, xyloglucan, 41
Linear programming, radiation therapy, treatment planning, plan combination, iterative algorithm, acceptability, realizability, 191
Local area network, perinatal medicine, system assessment, microcomputer system, 257
Long-term ECG processing, heart rate variability, long-term spectral analysis, 89
Long-term spectral analysis, heart rate variability, long-term ECG processing, 89
Lung compartments, multiexponential decay, time-constant distribution, constraining least-square minimization, 29

Man-machine interface, automatic speech recognition, medical expert systems, computer-assisted medical decision making, computers and dermatology, 111
Mathematical model, intradental nerve activity, pain perception, 17
Mathematical models, decompression, tissue gas exchange, critical parameters, multi-tissue supersaturation, phase equilibration, perfusion-diffusion transport, 227
Medical decision making, diagnostic tests, receiver operating characteristic analysis, information theory, cost-benefit analysis, HIV, ELISA, 153
Medical education, computers, diagnosis, decision support, abdominal pain, appendicitis, 9

Medical expert systems, automatic speech recognition, computer-assisted medical decision making, man-machine interface, computers and dermatology, 111
MEDLINE, online search, thermal physiology, 127
Membrane potential, ion, teaching, education, computer, models, 119
Microcomputers, computer simulation, theoretical models, software, pectin, xyloglucan, lignin, 41
Microcomputer system, perinatal medicine, system assessment, local area network, 257
Miscarriage, lie detectors, polygraphs, spontaneous abortion, VDT, 73
Models, membrane potential, ion, teaching, education, computer, 119
Molecular computer graphics, computer bombs, computer viruses, molecular modeling software, Trojan horses, 1
Molecular modeling software, computer bombs, computer viruses, molecular computer graphics, Trojan horses, 1
Motoneurons, abducens nerve, ocular tremor, neural signal, simulation, alert cat, 207
Multi-tissue supersaturation, decompression, mathematical models, tissue gas exchange, critical parameters, phase equilibration, perfusion-diffusion transport, 227
Multiexponential decay, time-constant distribution, constraining least-square minimization, lung compartments, 29

Neural signal, abducens nerve, ocular tremor, simulation, motoneurons, alert cat, 207

Ocular tremor, abducens nerve, neural signal, simulation, motoneurons, alert cat, 207
Online search, thermal physiology, MEDLINE, 127

Pain perception, mathematical model, intradental nerve activity, 17
Pain treatment, annular SPECT, brain imaging, radionuclides, computer security, computer viruses, 221
Parameter estimation, ventilatory response, peripheral chemoreceptors, respiratory control model, spontaneous breathing, 283
Patients' gaits' analysis, athletes' videotaping, cardiointegraphy, computerized kinematics, coronary disease diagnosis, 147
Pectin, computer simulation, microcomputers, theoretical models, software, xyloglucan, lignin, 41
Perinatal medicine, system assessment, local area network, microcomputer system, 257
Peripheral chemoreceptors, ventilatory response, respiratory control model, parameter estimation, spontaneous breathing, 283
Phase equilibration, decompression, mathematical models, tissue gas exchange, critical parameters, multi-tissue supersaturation, perfusion-diffusion transport, 227
Perfusion-diffusion transport, decompression, mathematical models, tissue gas exchange, critical parameters, multi-tissue supersaturation, phase equilibration, 227
Plan combination, radiation therapy, treatment planning, linear programming, iterative algorithm, acceptability, realizability, 191
Polygraphs, lie detectors, miscarriage, spontaneous abortion, VDT, 73
Probability, Bayes theorem, expert systems, computer-assisted diagnosis, vaginal discharge, computer simulation, 133
Protein secondary structure, BASIC programs, protein structure prediction, 247
Protein structure prediction, BASIC programs, protein secondary structure, 247

Radiation therapy, treatment planning, plan combination, linear programming, iterative algorithm, acceptability, realizability, 191
Radionuclides, annular SPECT, brain imaging, pain treatment, computer security, computer viruses, 221
Realizability, radiation therapy, treatment planning, plan combination, linear programming, iterative algorithm, acceptability, 191
Receiver operating characteristic analysis, diagnostic tests, medical decision making, information theory, cost-benefit analysis, HIV, ELISA, 153
Respiratory control model, ventilatory response, peripheral chemoreceptors, parameter estimation, spontaneous breathing, 283

Simulation, abducens nerve, ocular tremor, neural signal, motoneurons, alert cat, 207
Simulation, cable equations, branched equations, 55
Software, computer simulation, microcomputers, theoretical models, pectin, xyloglucan, lignin, 41
Spontaneous abortion, lie detectors, miscarriage, polygraphs, VDT, 73
Spontaneous breathing, ventilatory response,

peripheral chemoreceptors, respiratory control model, parameter estimation, 283
System assessment, perinatal medicine, local area network, microcomputer system, 257

Teaching, membrane potential, ion, education, computer, models, 119
Theoretical models, computer simulation, microcomputers, software, pectin, xyloglucan, lignin, 41
Thermal physiology, online search, MEDLINE, 127
Time-constant distribution, multiexponential decay, constraining least-square minimization, lung compartments, 29
Tissue gas exchange, decompression, mathematical models, critical parameters, multi-tissue supersaturation, phase equilibration, perfusion-diffusion transport, 227
Treatment planning, radiation therapy, plan combination, linear programming, iterative algorithm, acceptability, realizability, 191
Trojan horses, computer bombs, computer viruses, molecular computer graphics, molecular modeling software, 1

Vaginal discharge, Bayes theorem, expert systems, probability, computer-assisted diagnosis, computer simulation, 133
VDT, lie detectors, miscarriage, polygraphs, spontaneous abortion, 73
Ventilatory response, peripheral chemoreceptors, respiratory control model, parameter estimation, spontaneous breathing, 283

Xyloglucan, computer simulation, microcomputers, theoretical models, software, pectin, lignin, 41

Int J Biomed Comput, 24 (1989) 303
Elsevier Scientific Publishers Ireland Ltd.

AUTHOR INDEX

Volume 24 (1989)

Adair, T.H., 41

Camm, A.J., 89
Censor, Y., 191
Chard, T., 133
Coleman, T.G., 41
Cripps, T., 89

de Dombal, F.T., 9

Edwall, L.G.A., 17
Escudero, M., 207
Evans, S.J., 111

Farré, R., 29
Farrell, T., 89
Fors, U.G.H., 17

Gómez, C., 207
Guyton, A.C., 41

Haegerstam, G.A.T., 17
He, B., 269
Hines, M., 55
Hirose, K., 257
Hori, E., 257

Jabor, A., 79

Kazda, A., 79
Khoo, M.C.K., 283
Koyanagi, T., 257

Landau, J.A., 111
Llaurado, J.G., 1,73,147,221
Luttke, A., 247

Malik, M., 89
Montani, J-P., 41
Mossman, D., 153
Musha, T., 269

Nakahara, H., 257
Nakano, H., 257
Navajas, D., 29
Norwich, K.H., 111

Quero, J.M., 207

Refinetti, R., 127
Rotger, M., 29
Rubenstein, E.M., 133

Sandberg, H.H., 17
Shwartz, S.C., 191
Somoza, E., 153
Soto, E., 119
Soutullo-Esperon, L., 153
Summers, R.L., 41

Wienke, B.R., 227

Zámecník, M., 79